APPENDIX

```
#define ATT_EMAIL_FILE          "TFMOBOX.TMP"
#define DELIMITER               "End of Teleffnd Network Message\r\n"
```

```
#include <string.h>
#include <time.h>
#include <stdio.h>
#include <dos.h>
#include "safer!.h"

void main(void)
{
        FILE *infile,*outfile;
        char buffer[81],chr,timestr[5],datestr[9];
        char msg_num[4];
        int msg_num_opt = 0;
        char *ptr;
        int x,day,month,line=1,attmail=0;
        time_t t;

        if ((infile = fopen(ATT_EMAIL_FILE,"rt")) == NULL)
        {
                printf("%s does not exist\n",ATT_EMAIL_FILE);
                exit(0);
        }
        if ((outfile = fopen("ifmsbox.$$$","wt")) == NULL)
        {
                printf("Can't open IFMSBOX.$$$\n");
                exit(0);
        }

        for(;;)
        {
                /*      get characters from .tmp file   */
                x = 0;
                do
                {
                        chr = fgetc(infile);
                        if (feof(infile))
                        {
                                fclose(infile);
                                fclose(outfile);
                                exit(0);
                        }
                        buffer[x++] = chr;
                }
                /*          until end of line          */
                while (chr != '\n' && x != 80);

                buffer[x] = '\0';       /*     terminate it     */

                if (line == 1)
                {
                        ptr = strchr(buffer,')');
                        if (ptr-buffer == 2)    /*   was 3rd character  */
                        {
                                sscanf(buffer,"%[^)]",msg_num);
                                msg_num_opt = 1;
                                ptr++;
                        }
                        else
                                ptr = buffer;

                        if (*ptr == ':' && *(ptr+1) == 'D')
                                attmail = 1;
                }

                if (attmail)
                {
                        switch(line)
```

```
                {
                        case 1:
                                /*      datestr = mm/dd, timestr = hh:mm        */

                                sscanf(datestr,"%d/%d",&month,&day);            */
                                /*      get year from pc        */

                                t = time(NULL);
                                fprintf(outfile,"Date: %s",ctime(&t));
                                break;
                        case 2:
                                fprintf(outfile,"From: %s",buffer);
                                break;
                        case 3:
                                fprintf(outfile,"Subject: %s",buffer);
                                fprintf(outfile,"To: <Name here>\n");
                                if (msg_num_opt)
                                        fprintf(outfile,"Message #%s\n",msg_num);
                                break;
                        default:
                                fprintf(outfile,"%s",buffer);
                                break;
                }
        }
        else
        {
                if (line == 1)
                {
                        t = time(NULL);
                        fprintf(outfile,"Date: %s",ctime(&t));
                        fprintf(outfile,"From: tfmobox\n");
                        fprintf(outfile,"Subject: Telefind Network Message\n");
                        fprintf(outfile,"To: <Name here>\n");
                        if (msg_num_opt)
                        {
                                fprintf(outfile,"Message #%s\n",msg_num);
                                fprintf(outfile,"%s",buffer+3);
                        }
                        else
                                fprintf(outfile,"%s",buffer);
                }
                else
                        fprintf(outfile,"%s",buffer);
        }

        if (strcmp(buffer,DELIMITER) == 0)
        {
                msg_num_opt = line = attmail = 0;
        }

        line ++;
    }
}
```

```
/*

        Author:             MICHAEL P. PORSCHKE, SR.
                            03/13/91

        Program:            SAFARI3.C
        Purpose:            TO EXTRACT MESSAGES FROM A TELEFIND PAGER
                            VIA 16 RS-232 PORT ON A PC

        Compiler:           TURBO C++ 1.0
        Memory Model:       SMALL
*/

#include <dos.h>
#include <stdio.h>
#include <conio.h>
#include <string.h>
#include <stdlib.h>
#include "safari.h"

/*              CONSTANTS               */


#define DTR_HI              0x01
#define DTR_LO              0xfe
#define RTS_HI              0x02
#define RTS_LO              0xfd
#define DSR_HI              0x20
#define RING_IN             0x40
#define CD_HI               0x80
#define FIVE_TICK           5
#define FIVE_SEC            55
#define TWELVE_SEC          220
#define LOG_FILE            "LOG"
#define INTRO_STRING        "Please standby, retrieving messages ..."

/*    FUNCTION PROTOTYPES       */

int beep(void);
void busyoff(void);
void busyon(void);
void disoff(void);
void dison(void);
int link(void);
void print_message(void);
int rxdata(void);
int strobe(void);
int strobe_data(void);
unsigned ticks(void);
int timeout(unsigned start, int delay);

/*   VARIABLE DECLARATIONS      */

char pager_buffer[311];
int com_base,general_reg,status_reg,log_flag;
FILE *log_file;

void main(int num_arg, char **args)
{
       unsigned start;
       int restart,x;

       com_base = 0x3f8;       /*    use com 1 unless command line denotes otherwise   */

       /*      get command line arguments      */
```

```
/*      all command line arguments begin with a single '-' and
        must be seperated by a single space between each other
        and the program name

        -1      Use COM port 1
        -2      Use COM port 2
        -f      Log all activity to a file named LOG            */

        if (num_arg > 1)
        {
                for (x=1; x<num_arg; x++)
                {
                        if (strcmp(argv[x],"-1") == 0)
                                com_base = 0x3f8;
                        if (strcmp(argv[x],"-2") == 0)
                                com_base = 0x2f8;
                        if (strcmp(argv[x],"-F") == 0)
                                log_flag = 1;
                }
        }

        if (log_flag)
                if ((log_file = fopen(LOG_FILE,"at")) == NULL)
                        printf("Unable to open LOG\n");

        control_reg = com_base + 4;
        status_reg = com_base + 6;

        clrscr();

        if (link() == 0)        /*    is pager attached ?       */
                {
                printf("Please attach Message Receiver \n");
                exit(0);
                }

        busyon();               /*  start busy at logic high    */

        if (log_flag)
                fprintf(log_file,"Initiating process \n");
        printf("%s\n",(MYMD_STRING);
        dison();        /* push display button  */
        sleep(2);
        do
        {
                start = ticks();
                restart = 0;
                do
                {
                        if (beep())
                        {
                                print_message();
                                restart = 1;
                                start -= TWELVE_SEC;
                                break;
                        }
                }
                /* hold display button for 12 seconds   */
                while(! timeout(start,TWELVE_SEC));
        }
        while(restart);

        disoff();       /* release the display button   */
        if (log_flag)
        {
                fprintf(log_file,"Process Complete \n");
```

```
                fclose(log_file);
        }

}

/*              pager beep              */
int beep(void)
{

/*      accesses the RI line via the Status Register
        which is activated when the pager beeps         */

        unsigned start;

        start = ticks();
        while ( ! timeout(start,FIVE_TICK))
        {
                if ((inportb(status_reg) & RING_IN) == 0 )
                        return(1);
        }
        return(0);
}

/*      busyon & busyoff toggle the DTR line via the
        Control Register to strobe in data from the pager                       */

void busyoff(void)
{
        outportb(control_reg,inportb(control_reg) | DTR_HI);
}

void busyon(void)
{
        outportb(control_reg,inportb(control_reg) & DTR_LO);
}

/*      dison & disoff toggle the RTS line via the Control Register
        to simulate the pressing of the display button on the pager             */


void dison(void)
{
        outportb(control_reg,inportb(control_reg) | RTS_HI);
}

void disoff(void)
{
        outportb(control_reg,inportb(control_reg) & RTS_LO);
}

int link(void)
{

/*      accesses the CD line via the Status Register
        which is logic High when pager is connected     */

        if ((inportb(status_reg) & CD_HI) == 0)
                return(0);
        return(1);
}

void print_message(void)
{
        FILE *file;
        unsigned start;
        int x,y=0,z=0,chr,bit;
```

```
busyoff();      /*      ready to accept pager data      */

/*              read until end code received            */
while (chr != 3)
{
       chr = 0;
       start = ticks();

       /*      wait for start bit      */

       do
       {
              bit = strobe();
              if (bit == 0)
                     break;
       }
       while (!timeout(start,FIVE_SEC));

       if (bit)
       {
              if (log_flag)
                     fprintf(log_file,"Transmission Error, recheck connection\n");
              dleoff();
              exit(0);
       }

       /*             strobe out 8 bit data          */

       for (x=1; x<9; x++)
       {
              chr <<= 1;
              chr += bit = strobe_data();
       }

       /*             clear out stop bits            */
       for (x=1;x<3;x++)
       {
              strobe_data();
       }

       /*   extract start and end codes from message

            pager signon      02, 10, 00, 33
            pager signoff     03                    */

      if ((y > 3) && (chr != 3))
      {
             /* pager characters 96 and 97 are converted to
                0xFA and 0xFB to display on pager           */

             if (chr == 0xfa)       /*    convert to CR     */
                    chr = '\n';
             if (chr == 0xfb)       /*    convert to TAB    */
                    chr = 0x09;

             pager_buffer[z] = chr;
             z ++;
      }
      y ++;
}

pager_buffer[z] = '\0';              /*    null terminate    */

busyon();   /*       finished receiving data          */
```

```
        if (log_flag)
                fprintf(log_file,"%s\n",pager_buffer);

        if ((file = fopen(ATT_EMAIL_FILE, "at")) == NULL)
                fprintf(log_file,"Unable to open TMPBOX.TMP\n");
        #else
        {
                fprintf(file,"%s\n",pager_buffer);
                fprintf(file,"%s",DELIMITER);
                fclose(file);
        }

        start = ticks();
        while(!timeout(start,FIVE_SEC))
        {
        /*      wait for arase beep     */
                if (beep()) break;
        }
        sleep(1);       /*      wait one more second    */
}

int rxdata(void)
{

/*      accesses the DSR line via the Status Register
        which returns the bits value                    */

        if (inportb(status_reg) & DSR_HI)
                return(0);
        return(1);
}

int strobe(void)
{
        int bit;

        busyon();
        delay(1);
        busyoff();
        delay(4);
        bit = rxdata();
        return(bit);
}

int strobe_data(void)
{
        int bit;

        busyon();
        delay(2);
        bit = rxdata();
        busyoff();
        delay(1);
        return(bit);
}

unsigned ticks(void)
{
        /*      returns timer ticks (approx. 18.2/sec)
                using only lower registers              */

        union REGS in,out;

        in.x.ax = 0x0;
        int86(0x1a,&in,&out);
        return(out.x.dx);
```

```
}

int timeout(unsigned start, int delay)
{
        /*      used for timing events of up to approx. 1 hour.
                used in conjunction w/ticks()                   */

        unsigned current;

        current = ticks();
        if (start <= current && (start + delay) < current)
                return(1);
        if (start > current && (start + 65535 + delay) < current)
                return(1);
        return(0);
}
```

```
        /* mark the end of the command line you built,so you can add ending
           delimiter */
        sys_command[i] = NULL;
        /* add the ending quote for the users message so shell wont
           interepert special characters */
        strcat(sys_command, "\"");
        /* execute command you built */
        system(sys_command);

        printf("sending message: %s\n", sys_command);

      }
      else {
        if(strlen(mesg) == 0 ) {
           return(0);
        }
        /* print error for invalid message length */
        printf("telemail error: invalic message length: %s\n", mesg);
        return(0);
      }

      return(1);
}

/*************************************************************************
*
*   function: getline(hold-buffer, input-file-pointer)
*   arguments: pointer to buffer where line read will be heald.
*              file pointer to input file
*   description: reads 1 line of text from the input line and stores the
*                line read into the buffer passed.
*   returns: -1 if EOF or number of characters read in
*
*************************************************************************/
getline(buff, fp)
char *buff;
FILE *fp;
{
   int ch, cnt;

   /* keep on reading characetrs from file so long as end of file not
      reached or char is the end of line */
   for(cnt = 0; ((ch = fgetc(fp)) != EOF) && ch != '\n'; cnt++) {
        /* MOD BY OT 11/29/90 convert tab to space */
        /* convert tabs to single space */
        if(ch == 9) {
           ch = ' ';
        }
        /* MOD BY OT 11/29/90 dont allow control char */
        /* only load in ascii characters */
        if(isprint(ch) != 0) {
           buff[cnt] =  ch;
        }
        else {
              /* turn control characters to spaces */
              buff[cnt] = ' ';
        }
   }
   /* mark the end of the buffer you built */
   buff[cnt] = '\0';
```

```
/*************************************************************************
*
*   function: send_mesg(message-pointer)
*   arguments: pointer to text message(capcode,text) to be sent
*   description: takes passed message text makes sure the first 8 positions
*                are numeric(capcode). it builds and executes the network
*                send command(netsend.sh) to send the message passed.
*   returns: 0 if not sent otherwise the number of characters sent out
*
*************************************************************************/
int send_mesg(mesg)
char *mesg;
{
   char sys_command[700];
   int i;
   int ch;
   char *mesg_ptr;

   /* left justify the message passed to remove leading spaces */
   strajust(mesg, 512);
   /* trim off trailing blank spaces from the message */
   strtrim(mesg);

   /* make sure you have a capcode at least */
   if(strlen(mesg) > 8) {

      /* start to build the command to be executed to send message retreieved
         from the mail box */
      strcpy(sys_command, "netsend.sh ");

      /* loop while still more characters in the message */
      for(mesg_ptr = mesg, i = 11; *mesg_ptr != NULL; i++, mesg_ptr++) {

          /* make sure the first 8 positions of the message are numeric */
          if((i < 19) && (*mesg_ptr < '0' || *mesg_ptr > '9')) {
              printf("telemail error: invalid capcode: %s\n", mesg);
              return 0;
          }

          /* is the user didsnt seperate capcode & message then insert a
             space into the command */
          if(i == 19 && *mesg_ptr != ' ') {
             sys_command[19] = ' ';
             i = 20;
          }

          /* enclose the users message with ' so shell wont interpet
             special characters */
          if(i == 20) {
             sys_command[20] = '\'';
             i = 21;
          }

         /* put the character from the message onto to the
            command to be executed */
         sys_command[i] = *mesg_ptr;

      }
```

```
   /* since your just starting clear the message area */
   memset(mesg, NULL, MAXMSGLEN);

   /* keep on geting lines from the file until you reach end of file */
   while(getline(buff, fp) != -1) {

      /* every mail message start with the word "From " */
      if(strncmp(buff, "From ", 5) == 0) {
         /* set flag telling you are currently going thru mail header
            so you dont add it to the message */
         in_header = 1;
         /* call routine to the last message if any exists */
         send_mesg(mesg);
         continue;
      }

      /* a mail header end with the following string */
      if(strncmp(buff, "Content-Length:", 15) == 0) {
         /* turn off flag so you know you are no longer in mail
            message header */
         in_header = 0;
         /* clear the old message since this is a new one */
         memset(mesg, NULL, MAXMSGLEN);
         continue;
      }

      /* if the line you are now reading in not part of the mail header
         add it to the message */
      if(in_header == 0) {
         stripjust(buff, 512);
         strtrim(buff);
         /* make sure you dont add more than the message length */
         if( (strlen(buff) + strlen(mesg)) < MAXMSGLEN) {
            strcat(mesg, " ");
            strcat(mesg, buff);
         }
      }

   } /* end of read line while */

   /* send the last message in the file */
   send_mesg(mesg);

}
```

We claim:

1. A system for transmitting originated information from one of a plurality of originating processors contained in an electronic mail system to at least one RF receiver with the originated information originating from one of the plurality of originating processors and being transmitted by an RF information transmission network to the at least one RF receiver and for transmitting other originated information originating from one of the originating processors with the electronic mail system without using the RF information transmission network to at least one of a plurality of destination processors comprising:

at least one interface, one of the at least one interface connecting the electronic mail system containing the plurality of originating processors to the RF information transmission network; and wherein

the originated information is transmitted in association with an address of the one interface from the one of the plurality of originating processors to the one interface with the electronic mail system responding to the address of the one interface to direct the originated information from the one of the plurality of originating processors to the one interface; and

the originated information is transmitted from the one of the at least one interface to the RF information transmission network with an address of the at least one RF receiver to receive the originated information being associated with the originated information before transmission of the originated information to the at least one RF receiver.

2. A system in accordance with claim 1 wherein:

a processor is coupled to one of the at least one RF receiver and receives the originated information.

3. A system in accordance with claim 1 wherein:

the one interface stores the originated information, assembles the originated information with originated information received from a plurality of the originating processors into a packet and transmits the packet to the RF transmission network.

4. A system in accordance with claim 1 wherein:

the other originated information is transmitted between the one of the plurality of originating processors and the at least one of the plurality of destination processors using a different address than the address used during transmission of the originated information to the at least one RF receiver by the RF information transmission network.

5. A method for transmitting originated information from one of a plurality of originating processors contained in an electronic mail system to at least one RF receiver with the originated information originating from one of the plurality of originating processors and being transmitted by an RF information transmission network to the at least one RF receiver and for transmitting other originated information originating from one of the originating processors with the electronic mail system without using the RF information transmission network to at least one of a plurality of destination processors comprising:

connecting the electronic mail system containing the plurality of originating processors to the RF information transmission network with one of at least one interface;

transmitting the originated information in association with an address of the one interface from one of the plurality of originating processors to the one interface with the electronic mail system responding to the address of the one interface to direct the originated information from the one of the plurality of originating processors to the one interface; and

transmitting the originated information from the one of the at least one interface to the RF information transmission network with an address of the at least one RF receiver to receive the originated information being associated with the originated information before transmission of the originated information to the at least one RF receiver.

6. A method in accordance with claim 5 further comprising:

one of the at least one RF receiver transmits the originated information to a processor.

7. A method in accordance with claim 5 further comprising:

storing the originated information, assembling the originated information with originated information received from a plurality of the originating processors into a packet and transmitting the packet to the RF transmission network.

8. A method in accordance with claim 5 wherein:

the other originated information is transmitted between the one of the plurality of originating processors and the at least one of the plurality of destination processors using a different address than the address used during transmission of the originated information to the at least one RF receiver by the RF information transmission network.

9. A system in accordance with claim 1 wherein:

the system removes from the originated information information added by the electronic mail system containing the plurality of originating processors and adds information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

10. A system in accordance with claim 1 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

11. A system in accordance with claim 8 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF

information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

12. A system in accordance with claim 3 wherein:

the system removes from the originated information information added by the electronic mail system containing the plurality of originating processors and adds information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

13. A system in accordance with claim 3 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

14. A system in accordance with claim 12 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

15. A system in accordance with claim 4 wherein:

the system removes from the originated information information added by the electronic mail system containing the plurality of originating processors and adds information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

16. A system in accordance with claim 4 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

17. A system in accordance with claim 15 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

18. A method in accordance with claim 5 further comprising:

removing from the originated information information added by the electronic mail system containing the plurality of originating processors and adding information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

19. A method in accordance with claim 5 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

20. A method in accordance with claim 18 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the Rf information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

21. A method in accordance with claim 7 further comprising:

removing from the originated information information added by the electronic mail system containing the

plurality of originating processors and adding information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

22. A method in accordance with claim 7 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

23. A method in accordance with claim 21 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the Rf information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

24. A system for transmitting originated information from one of a plurality of originating processors, contained in any one of a plurality of electronic mail systems, to at least one RF receiver with the originated information originating from one of the plurality of originating processors and being transmitted by an RF information transmission network to the at least one RF receiver and for transmitting other originated information originating from one of the originating processors with one of the plurality of electronic mail systems without using the RF information transmission network to at least one of a plurality of destination processors comprising:

at least one interface, one of the at least one interface connecting at least one of the plurality of electronic mail systems containing the plurality of originating processors to the RF information transmission network; and wherein

the originated information is transmitted in association with an address of the one interface from the one of the plurality of originating processors to the one interface with one of the plurality of electronic mail systems responding to the address of the one interface to direct the originated information from the one of the plurality of originating processors to the one interface; and

the originated information is transmitted from the one of the at least one interface to the RF information transmission network with an address of the at least one RF receiver to receive the originated information being associated with the originated information before transmission of the originated information to the at least one RF receiver.

25. A system in accordance with claim 24 wherein:

a processor is coupled to one of the at least one RF receiver and receives the originated information.

26. A system in accordance with claim 24 wherein:

the one interface stores the originated information, assembles the originated information with originated information received from a plurality of the originating processors into a packet and transmits the packet to the RF transmission network.

27. A system in accordance with claim 24 wherein:

the other originated information is transmitting between the one of the plurality of originating processors and the at least one of the plurality of destination processors using a different address than the address used during transmission of the originated information to the at least one RF receiver by the RF information transmission network.

28. A system in accordance with claim 26 wherein:

the system removes from the originated information information added by the electronic mail system containing the plurality of originating processors and adds information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

29. A system in accordance with claim 26 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

30. A system in accordance with claim 28 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

31. A system in accordance with claim 27 wherein:

the system removes from the originated information information added by the electronic mail system containing the plurality of originating processors and adds information, used by the RF information transmission

network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

32. A system in accordance with claim 27 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

33. A system in accordance with claim 31 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

34. A method for transmitting originated information from one of a plurality of originating processors, contained in any one of a plurality of electronic mail systems, to at least one RF receiver with the originated information originating from one of the plurality of originating processors and being transmitted by an RF information transmission network to the at least one RF receiver and for transmitting other originated information originating from one of the originating processors with one of the plurality of electronic mail systems without using the RF information transmission network to at least one of a plurality of destination processors comprising:

connecting at least one of the plurality of electronic mail systems containing the plurality of originating processors to the RF information transmission network with at least one interface;

transmitting the originated information in association with an address of the one interface from one of the plurality of originating processors to the one interface with one of the plurality of electronic mail system responding to the address of the one interface to direct the originated information from the one of the plurality of originating processors to the one interface; and

transmitting the originated information from one of the at least one interface to the RF information transmission network with an address of the at least one RF receiver to receive the originated information being associated with the originated information before transmission of the originated information to the at least one RF receiver.

35. A method in accordance with claim 34 further comprising:

one of the at least one RF receiver transmits the originated information to a processor.

36. A method in accordance with claim 34 wherein:

the one interface stores the originated information, assembles the originated information with originated information received from a plurality of the originating processors into a packet and transmits the packet to the RF transmission network.

37. A method in accordance with claim 34 wherein:

the other originated information is transmitted between the one of the plurality of originating processors and the at least one of the plurality of destination processors using a different address than the address used during transmission of the originated information to the at least one RF receiver by the RF information transmission network.

38. A method in accordance with claim 34 further comprising:

removing from the originated information information added by the one of the plurality of electronic mail systems containing the one of the plurality of originating processors and adding information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

39. A method in accordance with claim 34 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

40. A method in accordance with claim 38 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

41. A method in accordance with claim 36 further comprising:

removing from the originated information information added by the one of the plurality of electronic mail systems containing the one of the plurality of originat-

ing processors and adding information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

42. A method in accordance with claim 36 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

43. A method in accordance with claim 41 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

44. A method in accordance with claim 37 further comprising:

removing from the originated information information added by the one of the plurality of electronic mail systems containing the one of the plurality of originating processors and adding information, used by the RF information transmission network during transmission of the originated information through the RF information transmission network to the at least one RF receiver in the RF information transmission network, to the originated information.

45. A method in accordance with claim 37 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

46. A method in accordance with claim 44 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information including an identification number of the at least one RF receiver from the RF information transmission network switch to another RF transmission network at a destination of the at least one RF receiver in the RF information transmission network to which the originated information and the identification number is to be transmitted by the RF information transmission network and transmits the originated information and the identification number to the at least one RF receiver by RF broadcast to the at least one RF receiver.

47. A system in accordance with claim 24 further comprising:

a plurality of RF information transmission networks with each RF information transmission network being connected to at least one of the at least one interface with the originated information being transmitted to the at least one RF receiver by one of the plurality of RF information transmission networks through the one of the at least one interface.

48. A method in accordance with claim 34 further comprising:

a plurality of RF information transmission networks with each RF information transmission network being connected to at least one of the at least one interface with the originated information being transmitted to the at least one RF receiver by one of the plurality of RF information transmission networks through the one of the at least one interface.

49. A system in accordance with claim 1 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

50. A system in accordance with claim 3 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

51. A system in accordance with claim 4 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

52. A method in accordance with claim 5 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

53. A method in accordance with claim 7 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

54. A method in accordance with claim 8 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

55. A system in accordance with claim 9 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

56. A system in accordance with claim 10 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

57. A system in accordance with claim 11 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

58. A system in accordance with claim 12 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

59. A system in accordance with claim 13 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

60. A system in accordance with claim 14 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

61. A system in accordance with claim 15 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

62. A system in accordance with claim 16 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

63. A system in accordance with claim 17 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

64. A method in accordance with claim 18 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

65. A method in accordance with claim 19 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

66. A method in accordance with claim 20 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

67. A method in accordance with claim 21 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

68. A method in accordance with claim 22 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

69. A method in accordance with claim 23 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

70. A system in accordance with claim 24 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

71. A system in accordance with claim 26 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

72. A system in accordance with claim 27 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

73. A system in accordance with claim 28 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

74. A system in accordance with claim 29 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

75. A system in accordance with claim 30 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

76. A system in accordance with claim 31 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

77. A system in accordance with claim 32 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

78. A system in accordance with claim 33 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

79. A method in accordance with claim 34 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

80. A method in accordance with claim 35 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

81. A method in accordance with claim 37 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

82. A method in accordance with claim 38 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

83. A method in accordance with claim 39 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

84. A method in accordance with claim 40 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

85. A method in accordance with claim 41 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

86. A method in accordance with claim 42 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

87. A method in accordance with claim 43 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

88. A method in accordance with claim 44 wherein:

information is compared to determine if the originated information should be transmitted by the RF information transmission network.

89. A method in accordance with claim 45 wherein:
information is compared to determine if the originated information should be transmitted by the RF information transmission network.
90. A method in accordance with claim 46 wherein:
information is compared to determine if the originated information should be transmitted by the RF information transmission network.
91. A method in accordance with claim 47 wherein:
information is compared to determine if the originated information should be transmitted by the RF information transmission network.
92. A system in accordance with claim 48 wherein:
information is compared to determine if the originated information should be transmitted by the RF information transmission network.
93. A method in accordance with claim 5 wherein:
the compared information is the address of the at least one RF receiver and permissible numbers.
94. A method in accordance with claim 5 wherein:
the address of the at least one RF receiver added to the originated information before transmission of the originated information by the RF transmission network to the at least one RF receiver is added in response to information inputted at the originating processor.
95. A method in accordance with claim 44 wherein:
the information inputted at the originating processor is processed to identify the address of the at least one receiver.
96. A method in accordance with claim 7 wherein:
the address of the at least one RF receiver added to the originated information before transmission of the originated information by the RF transmission network to the at least one RF receiver is added in response to information inputted at the originating processor.
97. A method in accordance with claim 96 wherein:
the information inputted at the originating processor is processed to identify the address of the at least one receiver.
98. A method in accordance with claim 5 wherein:
the address of the at least one RF receiver added to the originated information before transmission of the originated information by the RF transmission network to the at least one RF receiver is added in response to information inputted at the originating processor.
99. A method in accordance with claim 98 wherein:
the information inputted at the originating processor is processed to identify the address of the at least one receiver.
100. A method in accordance with claim 9 wherein:
the address of the at least one RF receiver added to the originated information before transmission of the originated information by the RF transmission network to the at least one RF receiver is added in response to information inputted at the originating processor.
101. A method in accordance with claim 100 wherein:
the information inputted at the originating processor is processed to for identify the address of the at least one receiver.
102. A method in accordance with claim 10 wherein:
the address of the at least one RF receiver added to the originated information before transmission of the originated information by the RF transmission network to the at least one RF receiver is added in response to information inputted at the originating processor.
103. A method in accordance with claim 102 wherein:
the information inputted at the originating processor is processed to identify the address of the at least one receiver.
104. A method in accordance with claim 11 wherein:
the address of the at least one RF receiver added to the originated information before transmission of the originated information by the RF transmission network to the at least one RF receiver is added in response to information inputted at the originating processor.
105. A method in accordance with claim 104 wherein:
the information inputted at the originating processor is processed to identify the address of the at least one receiver.
106. A method in accordance with claim 5 wherein:
the address of the one interface is added to the originated information at the one originating processor.
107. A method in accordance with claim 7 wherein:
the address of the one interface is added to the originated information at the one originating processor.
108. A method in accordance with claim 5 wherein:
the address of the one interface is added to the originated information at the one originating processor.
109. A method in accordance with claim 18 wherein:
the address of the one Interface is added to the originated information at the one originating processor.
110. A method in accordance with claim 19 wherein:
the address of the one interface is added to the originated information at the one originating processor.
111. A method in accordance with claim 20 wherein:
the address of the one interface is added to the originated information at the one originating processor.
112. A method in accordance with claim 52 wherein:
the address of the one interface is added to the originated information at the one originating processor.
113. A method in accordance with claim 44 wherein:
the address of the one interface is added to the originated information at the one originating processor.
114. A method in accordance with claim 45 wherein:
the information inputted at the originating processor is processed to identify the address of the at least one receiver.
115. A system for transmitting originated information from one of a plurality of originating processors contained in an electronic mail system to at least one RF receiver with the originated information originating from one of the plurality of originating processors and being transmitted by a RF information transmission network to the at least one RF receiver and for transmitting other originated information originating from one of the plurality of originating processors with the electronic mail system without using the RF information transmission network to at least one of a plurality of destination processors comprising:
at least one interface, one of the at least one interface connecting the electronic mail system containing the plurality of originating processors to the RF information transmission network; and wherein
the originated information is transmitted in association with an address of the one interface from the one of the plurality of originating processors to the one interface with the electronic mail system responding to the address of the one interface to direct the originated information from the one of the plurality of originating processors to the one interface; and
the RF information transmission system provides transmission of the originated information from the one

interface through the RF information transmission network to the at least one RF receiver in response to information inputted to the system.

116. A system in accordance with claim 115 wherein:

a processor is coupled to one of the at least one RF receiver and receives the originated information.

117. A system in accordance with claim 115 wherein:

the one interface stores the originated information, assembles the originated information with originated information received from a plurality of the originating processors into a packet and transmits the packet to the RF transmission network.

118. A system in accordance with claim 115 wherein:

the other originated information is transmitted between the one of the plurality of originating processors and the at least one of the plurality of destination processors to a different address than an address to which the originated information is transmitted to the at least one RF receiver by the RF information transmission network.

119. A method for transmitting originated information from one of a plurality of originating processors contained in an electronic mail system to at least one RF receiver with the originated information originating from one of the plurality of originating processors and being transmitted by a RF information transmission network to the at least one RF receiver and for transmitting other originated information originating from one of the plurality of originating processors with the electronic mail system without using the RF information transmission network to at least one of a plurality of destination processors comprising:

connecting the electronic mail system containing the plurality of originating processors to the RF information transmission network with one of at least one interface;

transmitting the originated information in association with an address of the one interface from one of the plurality of originating processors to the one interface with the electronic mail system responding to the address of the one interface to direct the originated information from the one of the plurality of originating processors to the one interface; and

transmitting the originated information through the RF information transmission network to the at least one RF receiver in response to inputted information.

120. A method in accordance with claim 119 further comprising:

one of the at least one RF receiver transmits the originated information to a processor.

121. A method in accordance with claim 120 further comprising:

storing the originated information, assembling the originated information with originated information received from a plurality of the originating processors into a packet and transmitting the packet to the RF transmission network.

122. A method in accordance with claim 119 wherein:

the other originated information is transmitted between the one of the plurality of originating processors and the at least one of the plurality of destination processors to a different address than an address to which the originated information is transmitted to the at least one RF receiver by the RF information transmission network.

123. A system in accordance with claim 115 wherein:

the system removes from the originated information information added by the electronic mail system containing the plurality of originating processors.

124. A system in accordance with claim 115 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

125. A system in accordance with claim 123 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

126. A system in accordance with claim 117 wherein:

the system removes from the originated information information added by the electronic mail system containing the plurality of originating processors.

127. A system in accordance with claim 117 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

128. A system in accordance with claim 126 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

129. A system in accordance with claim 118 wherein:

the system removes from the originated information information added by the electronic mail system containing the plurality of originating processors.

130. A system in accordance with claim 118 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF

receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

131. A system in accordance with claim 129 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

132. A method in accordance with claim 119 further comprising:

removing from the originated information information added by the electronic mail system containing the plurality of originating processors.

133. A method in accordance with claim 119 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

134. A method in accordance with claim 132 wherein:

the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the Rf information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

135. A method in accordance with claim 121 further comprising:

removing from the originated information information added by the electronic mail system containing the plurality of originating processors.

136. A method in accordance with claim 121 wherein: the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

137. A method in accordance with claim 135 wherein: the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

138. A method in accordance with claim 122 further comprising:

removing from the originated information information added by the electronic mail system containing the plurality of originating processors.

139. A method in accordance with claim 122 wherein: the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

140. A method in accordance with claim 138 wherein: the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

141. A method in accordance with claim 123 further comprising:

removing from the originated information information added by the electronic mail system containing the plurality of originating processors.

142. A method in accordance with claim 123 wherein: the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

143. A method in accordance with claim 141 wherein: the RF information transmission network comprises a RF information transmission network switch which receives the originated information; and

the RF information transmission network transmits the originated information from the RF information transmission network switch to another RF transmission network switch at a destination of the at least one RF

receiver in the RF information transmission network to which the originated information is to be transmitted by the RF information transmission network and transmits the originated information to the at least one RF receiver by RF broadcast to the at least one RF receiver.

144. A system in accordance with claim 115 further comprising:

a plurality of RF information transmission networks with each RF information transmission network being connected to at least one of the at least one interface with the originated information being transmitted to the at least one RF receiver by one of the plurality of RF information transmission networks through the one of the at least one interface.

145. A method in accordance with claim 119 further comprising:

a plurality of RF information transmission networks with each RF information transmission network being connected to at least one of the at least one interface with the originated information being transmitted to the at least one RF receiver by one of the plurality of RF information transmission networks through the one of the at least one interface.

146. A system in accordance with claim 115 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

147. A system in accordance with claim 116 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

148. A system in accordance with claim 117 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

149. A system in accordance with claim 118 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

150. A system in accordance with claim 119 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

151. A system in accordance with claim 120 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

152. A system in accordance with claim 121 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

153. A system in accordance with claim 122 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

154. A system in accordance with claim 123 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

155. A system in accordance with claim 124 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

156. A system in accordance with claim 125 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

157. A system in accordance with claim 126 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

158. A system in accordance with claim 127 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

159. A system in accordance with claim 128 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

160. A system in accordance with claim 129 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

161. A system in accordance with claim 130 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

162. A system in accordance with claim 131 wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF trans-

mission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

163. A system in accordance with claim **132** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

164. A system in accordance with claim **133** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

165. A system in accordance with claim **134** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

166. A system in accordance with claim **135** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

167. A system in accordance with claim **136** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

168. A system in accordance with claim **137** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

169. A system in accordance with claim **138** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

170. A system in accordance with claim **139** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

171. A system in accordance with claim **140** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

172. A system in accordance with claim **141** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

173. A system in accordance with claim **142** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

174. A system in accordance with claim **144** wherein:

an address of the at least one RF receiver to which the originated information is transmitted by the RF transmission network is inputted to the system before transmission of the originated information from the one interface through the RF information transmission network to the at least one RF receiver.

175. A system in accordance with claim **115** wherein:

the address of the one interface is inputted to the system at the one of the plurality of originating processors.

176. A system in accordance with claim **116** wherein:

the address of the one interface is inputted to the system at the one of the plurality of originating processors.

177. A system in accordance with claim **117** wherein:

the address of the one interface is inputted to the system at the one of the plurality of originating processors.

178. A system in accordance with claim **118** wherein:

the address of the one interface is inputted to the system at the one of the plurality of originating processors.

179. A method in accordance with claim **119** wherein:

the address of the one interface is inputted at the one of the plurality of originating processors.

180. A method in accordance with claim **120** wherein:

the address of the one interface is inputted at the one of the plurality of originating processors.

181. A method in accordance with claim **121** wherein:

the address of the one interface is inputted at the one of the plurality of originating processors.

182. A method in accordance with claim **122** wherein:

the address of the one interface is inputted at the one of the plurality of originating processors.

183. A method in accordance with claim **123** wherein:

the address of the one interface is inputted at the one of the plurality of originating processors.

184. A system in accordance with claim **146** wherein:

the address of the one interface is inputted at the one of the plurality of originating processors; and

the information inputted to the system is inputted at the one of the plurality of originating processors.

185. A method in accordance with claim **150** wherein:

the address of the one interface is inputted to the system at the one of the plurality of originating processors; and

the inputted information is inputted at the one of the plurality of originating processors.

* * * * *

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 5,631,946 Page 1 of 4

DATED : May 20, 1997

INVENTOR(S) : Thomas J. CAMPANA, Jr. et al.

It is certified that error appears in the above-indentified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, line 35, delete "which are filed on";
line 36, delete "even date herewith".

Column 4, line 48, change "provides" to --provided--.

Column 5, line 27, change "is" to --was--;
line 32, change "are" to --were--;
line 47, change "hi-directional" to --bi-directional--.

Column 6, line 49, change "hi-directional" to --bi-directional--.

Column 7, line 58, change "united states" to --United States--.

Column 15, line 60, after "hub" delete ".".

Column 17, line 8, delete "has been" and insert --was--;
line 40, change "Disclosure of Invention" to --DISCLOSURE OF INVENTION--.

Column 18, lines 58-67 delete in their entirety.

Column 19, lines 1-29 delete in their entirety.

Column 20, line 4, change "an" to --a--;
line 32, delete "*" and insert --When the RF receiver 119 is connected to the SAFARI™ computer, the connection is powered by the SAFARI™ computer--;
line 62, change "an" to --a--.

Column 21, lines 28-29 delete in their entirety.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 5,631,946
DATED : May 20, 1997
INVENTOR(S) : Thomas J. CAMPANA, Jr. et al.

It is certified that error appears in the above-indentified patent and that said Letters Patent is hereby corrected as shown below:

Column 25, line 33 change "14" to --12--.

Column 26, line 1, change "interfaces" to --interfaced--.

In the middle at the bottom of columns 29 and 30 add ---1---.

In the middle at the bottom of columns 31 and 32 add ---2---.

In the middle at the bottom of columns 33 and 34 add ---3---.

In the middle at the bottom of columns 35 and 36 add ---4---.

In the middle at the bottom of columns 37 and 38 add ---5---.

In the middle at the bottom of columns 39 and 40 add ---6---.

In the middle at the bottom of columns 41 and 42 add ---7---.

In the middle at the bottom of columns 43 and 44 add ---8---.

In the middle at the bottom of columns 45 and 46 add ---9---.

In the middle at the bottom of columns 47 and 48 add ---10---.

In the middle at the bottom of columns 49 and 50 add ---11---.

In the middle at the bottom of columns 51 and 52 add ---12---.

Column 53, lines 6 and 53 change "an" to --a--.

Column 54, line 56, change "8" to --9--.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 5,631,946 Page 3 of 4

DATED : May 20, 1997

INVENTOR(S) : Thomas J. CAMPANA, Jr. et al.

It is certified that error appears in the above-indentified patent and that said Letters Patent is hereby corrected as shown below:

Column 56, line 57, change "Rf" to --RF--.

Column 57, line 32, change "Rf" to --RF--;
line 44, change "an" to --a--.

Column 58, line 14, change "transmitting" to --transmitted--;
line 17, change "using" to --uses--.

Column 65, line 9, change "method" to --system--;
line 27, change "44" to --94--;
lines 50, 56 and 60, change "method" to --system--;
line 58, delete "for".

Column 66, lines 1, 5 and 11, change "method" to --system--;
line 21, change "5" to --8--;
lines 48, 52 and 57, change "network" to --system--.

Column 67, lines 1 and 2, 12 and 19 and 20, change "network" to --system--.

Column 68, lines 2, 5, 9, 11, 15, 18, 22, 24, 32, 35, 39, 41, 45, 48, 52, 54, 62 and 65, change "network" to --system--.

Column 69, lines 1, 3, 7, 10, 14 and 16, change "network" to --system--;
line 45, change "Rf" to --RF--.

Column 70, lines 43, 48 and 61, change "method" to --system--;
lines 49, 52, 56, 58, 62 and 65, change "network" to --system--.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 5,631,946 Page 4 of 4

DATED : May 20, 1997

INVENTOR(S) : Thomas J. CAMPANA, Jr. et al.

It is certified that error appears in the above-indentified patent and that said Letters Patent is hereby corrected as shown below:

Column 71, lines 1, 3, 9, 27, 29 and 30, 34, 36 and 37, 41, 43 and 44, 48 and 50 and 51, change "system" to --network--;
lines 8 and 13, change "networks" to --systems--;
lines 52, 59 and 66, change "system" to --method--.

Column 72, line 4, change "system" to --method--;
line 7, delete "to the system";
lines 14, 16 and 17, 21, 23 and 24, 28, 30 and 31, 35, 37 and 38, 42, 44 and 45, 49, 51 and 52, 56, 58 and 59, 63 and 65 and 66, change "network" to --system--.

Column 73, lines 1, 3 and 4, change "network" to --system--;
lines 5, 12, 19, 26, 33, 40, 47, 54 and 61, change "system" to --method--;
lines 8, 15, 22, 29, 36, 43, 50, 57 and 64, delete "to the system".

Column 74, line 18, change "144" to --143--;
line 58, delete "to the system".

Signed and Sealed this

Thirtieth Day of September, 1997

Attest:

BRUCE LEHMAN

Attesting Officer *Commissioner of Patents and Trademarks*